

## California Regional Water Quality Control Board, San Diego Region

November 24, 2014

Mr. Jesselton Gregorio  
United States Marine Corps Recruit Depot  
4660 Belleau Avenue, Building 224  
San Diego, CA 92140

In reply refer to:  
800459: oosibodu

**Subject: United States Marine Corps, Marine Corps Recruit Depot Onsite Wastewater Treatment System: Notice of Applicability for Order WQ 2014-0153-DWQ, General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems**

Mr. Gregorio:

This Notice of Applicability (NOA) enrolls the discharge from the U.S. Marine Corps (USMC) Recruit Depot (MCRD) Onsite Wastewater Treatment System in Order WQ 2014-0153-DWQ, *General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems* (General Order). The General Order was adopted by the State Water Resources Control Board on September 23, 2014. A copy of the General Order is available online at:

[http://www.swrcb.ca.gov/board\\_decisions/adopted\\_orders/water\\_quality/2014/wqo2014\\_0153\\_dwq.pdf](http://www.swrcb.ca.gov/board_decisions/adopted_orders/water_quality/2014/wqo2014_0153_dwq.pdf)

The California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) received a Report of Waste Discharge/application for Waste Discharge Requirements, a completed Form 200, and a check for the filing fee on May 9, 2013. The USMC also provided the San Diego Water Board with a notice of categorical exclusion from the National Environmental Policy Act (NEPA) dated June 20, 2012, and a supplemental technical report on the OWTS on August 21, 2013.

The proposed OWTS treats domestic wastewater generated from the MCRD barracks and will extract wastewater from an existing sewer line at the MCRD. The type of OWTS being utilized is the Living Machine system, and the system is designed to treat 10,000 gallons per day (gpd) of sewage. The OWTS consists of a 7,500-gallon primary tank, a 10,000-gallon primary tank, a 2,500-gallon flow equalization tank, four tidal wetland cells (with soil media and vegetation), a dual stage filtration unit, an ultraviolet disinfection unit, a tablet chlorine contact unit, and a 5,000-gallon effluent tank. Treated effluent from the OWTS will be used for subsurface irrigation of landscape.

Please ensure the discharge complies with the following conditions and sections of the General Order referenced below:

1. The average monthly flow rate from the OWTS shall not exceed **10,000 gpd**.
2. The discharge must comply with effluent limitations specified in Section D.1.a (see Table 4) of the General Order. Please note only effluent limitations specified in Step 1 of Table 4 apply to the discharge. The effluent limits specified in Table 4 do not apply to the discharge because the OWTS effluent flow rate is below 20,000 gpd.
3. Please submit a **Spill Prevention/Response Plan, Sludge Management Plan**, and a written **Sampling and Analysis Plan** to the San Diego Water Board no later than **January 14, 2015** as specified in Section E.1 of the General Order.
4. Please conduct monitoring and submit monitoring results as specified in the sections of Attachment C (Information Sheet-Model Monitoring and Reporting Program) to the General Order pertaining to **Septic Tank Monitoring, Disinfection System Monitoring, Subsurface Disposal Area Monitoring, and Solids Disposal Monitoring**.
5. Pursuant to the Effluent Monitoring section of Attachment C to the General Order, effluent samples shall be collected from a location that provides representative samples of the wastewater as specified in Table 1 below:

**Table 1: Effluent Monitoring**

Constituent	Units	Sample Type	Sample Frequency	Reporting Frequency
Flow Rate <sup>a</sup>	gpd	Meter	Continuous	Quarterly
Biological Oxygen Demand	mg/L <sup>b</sup>	Grab	Monthly	Quarterly
Total Suspended Solids	mg/L <sup>b</sup>	Grab	Monthly	Quarterly
Total Nitrogen	mg/L <sup>b</sup>	Grab	Monthly	Quarterly

Table Notes:

- a. At a minimum, the total flow shall be measured monthly to calculate the average daily flow for the month. Flow rates may be measured on influent or effluent flow.
- b. mg/L denotes milligrams per liter.

6. Pursuant to the Disinfection System Monitoring section of Attachment C to the General Order, final effluent samples shall be collected immediately downstream of the disinfection system as specified in Table 2:

**Table 2: Disinfection System Monitoring**

Constituent	Units	Sample Type	Sample Frequency	Reporting Frequency
Total Coliform Organisms	MPN/100mL <sup>a</sup>	Grab	Monthly	Quarterly
Turbidity	NTU <sup>b</sup>	Grab/Meter	Monthly	Quarterly

Table Notes:

- a. MPN/100 mL denotes most probable number per 100 mL sample.
- b. NTU denotes nephelometric turbidity unit.

7. Please submit quarterly and annual monitoring reports to the San Diego Water Board as specified in the reporting section of Attachment C of the General Order. The first quarterly report due is the October-December 2014 quarterly report, which is due by **February 1, 2015**. The first annual report due is the January-December 2014 annual report, which is due by **March 1, 2015**.

Please review the conditions specified in this NOA and notify the San Diego Water Board if for any reason the discharge is not able to comply with any of the conditions specified in this NOA.

Please submit all future monitoring reports and documents required by the General Order to the San Diego Water Board by email. The email submittals must include a signed cover/transmittal letter (with the facility name, facility contact information, and reference code: **800459:oosibodu**). Monitoring reports, documents, and other email submittals should be sent to [sandiego@waterboards.ca.gov](mailto:sandiego@waterboards.ca.gov).

Documents that are 50 megabytes or larger should be transferred to a disk and mailed to the San Diego Water Board. For more extensive information provided in larger documents; the San Diego Water Board staff may request that specific individual items such as appendices to large/complex technical reports and/or large drawings, grading plans, or maps continue to be provided in paper format. If you have any specific questions about email submittal procedures please contact Ms. Cleo Munoz in our Mission Support Unit, at 619-521-3384 or [cleo.munoz@waterboards.ca.gov](mailto:cleo.munoz@waterboards.ca.gov).



Please contact Mr. Fisayo Osibodu at (619) 521-8036, or at [Olufisayo.Osibodu@waterboards.ca.gov](mailto:Olufisayo.Osibodu@waterboards.ca.gov) if you have any questions or comments.

Respectfully,



David W. Gibson  
Executive Officer

DG:jac:jro:oo

CIWQS INFO	
Place ID	800459
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